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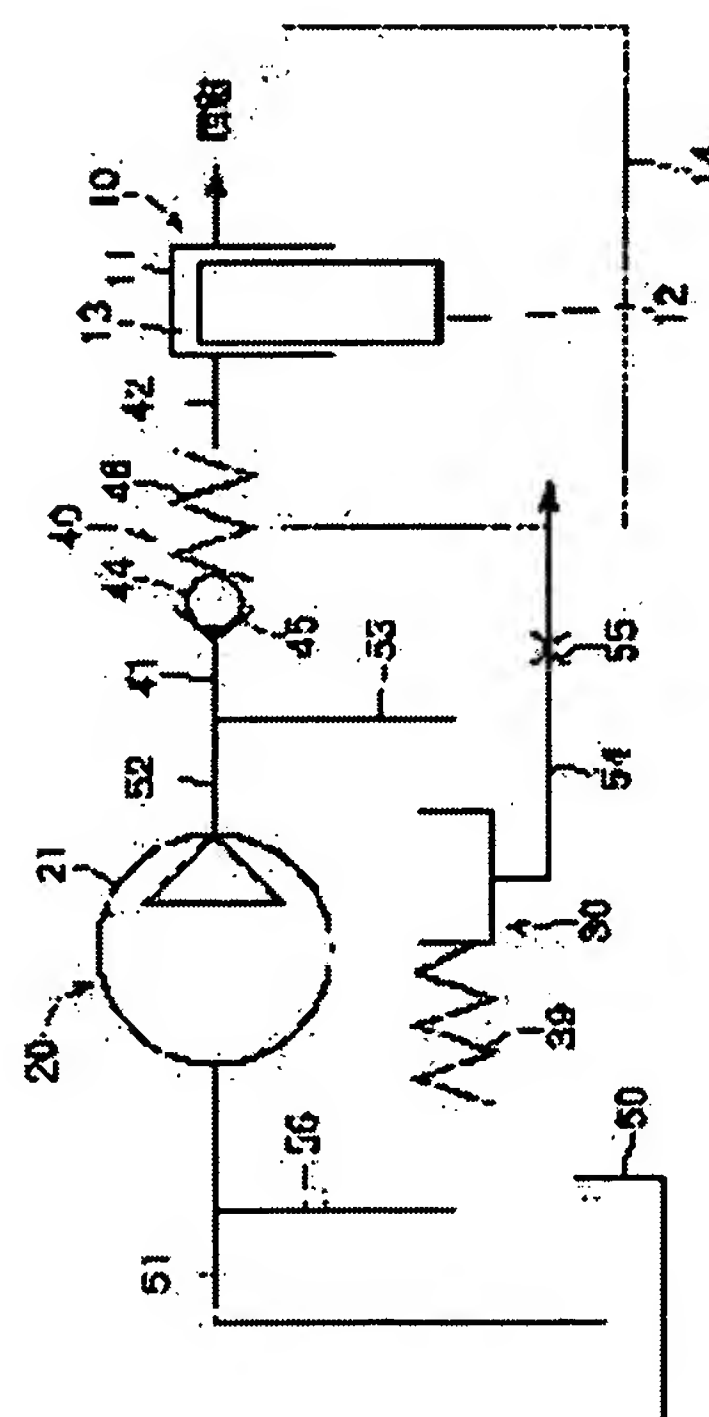
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(54) FUEL FEEDING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a fuel feeding device capable of improving an engine starting performance and enhancing reliability at the high speed rotation of the engine.

SOLUTION: Since a valve opening hole formed on the valve body of a pressure control valve 30 is closed up by a piston before engine start and a fuel is not fed from a feed pump 20 to the pump chamber 14 of a high pressure fuel pump 10, the feeding pressure necessary for low speed rotation at engine start is secured to improve the engine starting performance. Further, in middle or high speed rotation after engine start, since the valve opening hole of the pressure control valve 30 is opened to feed the fuel from the feed pump 20 to the pump chamber 14 when the feeding pressure of the pump 20 is higher than a first set value, the fuel of flow required for lubricating the cam in the pump chamber 14, a drive shaft or the like is secured to prevent the seizure of the high pressure fuel pump 10. Therefore, the engine starting performance can easily be improved and reliability at high speed rotation of the engine can be enhanced with a simple constitution.



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